

AbstractINTERFACE DEVICE

A communication device for a target integrated circuit chip having a digital processor, an on-chip emulator for controlling said digital processor and for collecting operation data from said digital processor for communicating to off-chip circuitry, and a target on-chip universal serial bus interface connected to said on-chip emulator, the communication device comprising an Ethernet port, a universal serial bus port and a further integrated circuit chip having on-chip processing circuitry, on-chip memory circuitry, an on-chip Ethernet interface and an on-chip universal serial bus interface, said on-chip Ethernet interface being connected to said Ethernet port, the said interfaces being connected to said processing circuitry for translating between Ethernet protocol data on an Ethernet bus connected to said Ethernet port and universal serial bus data for said target on-chip universal serial bus interface.